

10/31/2018

Denali Water
Cindy Duenes
2001 Key Street
Colton, CA, 92324

Ref: Analytical Testing
Report Number: 18-296-0204
Project Description: LS

Dear Cindy Duenes:

Waypoint Analytical Virginia, Inc. received sample(s) on 10/23/2018 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Sub-contracted testing is noted on the Sample Summary Table if applicable.

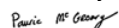
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Pauric McGroary
Agronomist

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Arizona AZ0629
Florida E871087

New Jersey
North Carolina

VA011
257

Pennsylvania
South Carolina

68-03109
93007

Virginia 460014



Sample Summary Table

Report Number: 18-296-0204

Client Project Description: LS

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
63257	LS	Solids	10/19/2018 11:00	10/23/2018		
63257	LS	Solids	10/19/2018 11:00	10/23/2018	SM-4500-NH3C	WTN
63257	LS	Solids	10/19/2018 11:00	10/23/2018	9045D	WTN
63257	LS	Solids	10/19/2018 11:00	10/23/2018	4500NO3F-2011	WTN
63257	LS	Solids	10/19/2018 11:00	10/23/2018	6010D	WTN
63257	LS	Solids	10/19/2018 11:00	10/23/2018	SW-7471B	WTN
63257	LS	Solids	10/19/2018 11:00	10/23/2018	SM-4500-NH3C-TKN	WTN
63257	LS	Solids	10/19/2018 11:00	10/23/2018	SM-2540G	WTN

WTN: Waypoint Analytical - TN, Memphis, TN, Certification: #1354

Report Number: 18-296-0204

Account Number: 11035



7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Send To: Denali Water
Cindy Duenes
2001 Key Street
Colton , CA 92324

Project : LS

Lab Number : 63257

Sample Id : LS

REPORT OF ANALYSIS

Date Sampled: 10/19/2018 11:00:00

Date Received: 10/23/2018 00:00

Date Reported: 10/31/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Total Solids *	15.50	155000	100.0	CJR	10/26/2018 15:24	SM-2540G
Moisture *	84.50		100.0	CJR	10/26/2018 15:24	SM-2540G
Total Kjeldahl Nitrogen	7.55	75500	250	CLP	10/29/2018 13:20	SM-4500-NH3C-TKN
Phosphorus	2.22	22200	50.0	KKM	10/28/2018 19:43	6010D
Potassium	0.16	1640	50.0	JTR	10/27/2018 05:29	6010D
Sulfur	1.89	18900	50.0	JTR	10/27/2018 05:29	6010D
Calcium	3.08	30800	100	JTR	10/27/2018 05:29	6010D
Magnesium	0.37	3690	50.0	KKM	10/28/2018 19:43	6010D
Sodium	0.21	2100	250	JTR	10/27/2018 05:29	6010D
Iron		19600	50.0	JTR	10/27/2018 05:29	6010D
Aluminum		3490	50.0	JTR	10/27/2018 05:29	6010D
Manganese		161	5.00	JTR	10/27/2018 05:29	6010D
Copper		414	2.50	KKM	10/28/2018 19:43	6010D
Zinc		1050	5.00	JTR	10/27/2018 05:29	6010D
Ammonia Nitrogen	0.83	8260	100	ZBD	10/30/2018 14:00	SM-4500-NH3C
Organic N	6.72	67240	250		10/29/2018 13:20	CALCULATION
Nitrate+Nitrite-N		<4.98	4.98	ZBD	10/30/2018 15:17	4500NO3F-2011

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank H - Beyond Holding Time

A handwritten signature in black ink that reads "Paucic McGroary".

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Paucic McGroary
Agronomist

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Project : LS

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Sample Id : LS

REPORT OF ANALYSIS

Date Sampled: 10/19/2018 11:00:00

Date Received: 10/23/2018 00:00

Date Reported: 10/31/2018

PARAMETER	RESULT (%)	RESULT (mg/kg)	QUANTITATION LIMIT (mg/kg*)	ANALYST	ANALYSIS DATE/TIME	METHOD
Cadmium		1.10	1.00	JTR	10/27/2018 05:29	6010D
Chromium		33.1	2.50	JTR	10/27/2018 05:29	6010D
Nickel		19.7	2.50	JTR	10/27/2018 05:29	6010D
Lead		10.3	3.00	JTR	10/27/2018 05:29	6010D
Arsenic		<5.00	5.00	JTR	10/27/2018 05:29	6010D
Mercury		0.364	0.0150	KKM	10/26/2018 11:45	SW-7471B
Selenium		7.70	5.00	KKM	10/28/2018 19:43	6010D
pH *	8.1			RMW	10/26/2018 08:42	9045D
Molybdenum		12.4	2.50	JTR	10/27/2018 05:29	6010D

Comments:

All values are on a dry weight basis except as noted by asterisk. Detection limit on all N series is on a wet basis.

B - Analyte detected in blank H - Beyond Holding Time

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Paucic McGroary
Agronomist

Cooler Receipt Form

Customer Number: **11035**
Customer Name: **Denali Water**
Report Number: **18-296-0204**

Shipping Method

☒ Fed Ex ☐ US Postal ☐ Lab ☐ Other :
☐ UPS ☐ Client ☐ Courier Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Water - Sample containers properly preserved	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



SAMPLE

7621 Whitepine Rd



Denali Water
LS

18-296-0204
11035
10-23-2018
12:39:11

USTODY

Penix

ail: office@al-labs-eastern.com

Account #
11035

Submitted By

Denali Water Solutions

Denali Water Solutions

Copy To

Franklin Ave STEA

Franklin Ave STEA

chrisamarks@comcast.net

Riverside CA 92507

Riverside CA 92507

jsaint@gmail.com

Project

Sample Information			Container Information			Please Check Desired Tests												
Sample ID	Lab Number (Lab Use Only)	Type	Date	Time	Number of Bottles	Type	Volume	SL1	SL2	503 Metals	Nitrogen Series	pH	CCE	Ag	Cl	Volatile Solids	Test Package	
LS	03254	<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	10/19/2018	1100	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz pint qt					<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	SLSOSO
MBC		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	10/19/2018	1200	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz pint qt					<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	SLSOSO
SLR		<input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite	10/19/2018	1130	1	<input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic	oz pint qt					<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	SLSOSO
Relinquished By: (Signature)		Date	Time	Received By: (Signature)		Date	Time											
Joel Santos (signature)		10/19/2018	1200	JS														
Fed Ex		10/23/18																

Test Package Details

SL1: Total Solids (Moisture) Total Kjeldahl Nitrogen, Phosphorus and Potassium

SL2: Basic Test SL1 plus Sulfur, Calcium, Magnesium, Sodium, Iron, Aluminum, Manganese, Copper And Zinc

503 Metals: Arsenic, Cadmium, Chromium, Mercury, Molybdenum, Lead, Nickel, Selenium,

(Copper & Zinc included in SL2)

Nitrogen Series: Total Kjeldahl, Ammonium, Nitrate & Organic Nitrogen,

CCE: Calcium Carbonate Equivalent or Total Neutralization Value (For Lime Treated Sludge)

Special Instructions or Remarks

No ice